II. Remarks

Reconsideration and allowance of the subject application are respectfully requested.

Claims 1-51 are pending in the application. Claims 1, 17, and 19-27 are independent.

The undersigned, and inventor Stephen Kenyon, would like to thank Examiner Brown for the cordial and productive interview of February 26, 2004. The Examiner's helpful comments and suggestions were instrumental in preparing this response.

Applicants have added new dependent Claims 28-51 to afford themselves a scope of protection commensurate with the disclosure. The new claims are fully supported in the specification and Drawings, and are believed to be allowable for the reasons to be developed below.

Claims 1-27 were rejected as being unpatentable over Kenyon '562 and Mobin, for the reasons discussed on pages 2-9 of the Office Action. Applicant respectfully traverses all art rejections.

As discussed at the interview, each of the independent Claims 1, 20, and 23 recites a novel combination of structure and/or function whereby the first plurality of feature time series waveforms (that respectively correspond to distinct portions of the received data stream) are correlated with the (stored) second plurality of feature time

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series waveforms. In contrast, in <u>Kenyon '562</u>, the input data is compared to only a single stored template and not to a plurality of feature time series waveforms. Therefore, the cited art fails to disclose or suggest (i) the correlation of these two feature time series waveform pluralities, and (ii) the correlation of values between these two pluralities.

As also discussed at the interview, each of the independent Claims 17, 21, and 24 recites a novel combination of structure and/or function for integrating at least one of the *intensity (or luminance) and the color (or chrominance) of video signals* corresponding to each of the plural areas of the video screen. While <u>Kenyon '562</u> discloses that "the present invention may be utilized with radio, television, data transfer and other broadcast systems" (Col. 6, lines 52-54), the word "video" does not appear, and there is no disclosure regarding (i) the integration of the intensity and/or color of video signals, or (ii) the forming of low rate time series data streams from the integrated video signals. Therefore, the salient claimed features of are nowhere disclosed or suggested by the cited art.

As also discussed at the interview, each of the independent Claims 19, 22, and 25 recites a novel combination of structure and/or function including forming overlapping time intervals of the multiple feature streams (e.g., see the

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embodiment depicted in Fig. 10) such that the overlapping time intervals encompass the *entire* received audio stream. In <u>Kenyon '562</u>, no overlapping time intervals of the multiple feature streams are formed. Also, <u>Kenyon '562</u> only stores reference patterns for a small portion of the audio work, not the entire audio stream. Thus, the salient claimed features are neither disclosed nor suggested by the cited art.

As also discussed at the interview, independent Claim 26 recites a novel combination of structure and/or function whereby (i) multiple feature streams are formed from a plurality of feature time series waveforms, and (ii) overlapping time intervals are formed from the multiple feature streams. As discussed above, <u>Kenyon '562</u> does not form any overlapping time intervals of multiple feature streams. Also, <u>Kenyon '562</u> forms feature streams from a single time series waveform, not a plurality of time series waveforms. Again, the salient claimed features are neither disclosed nor suggested by the cited art.
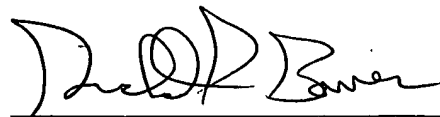
As also discussed at the interview, independent Claim 27 recites a novel combination of structure and/or function whereby (i) multiple feature streams are formed from a plurality of feature time series waveforms, and (ii) recognition is based on a combined probability that is iteratively determined by repeating the correlating/updating/evaluating steps. As noted above,

Kenyon '562 forms feature streams from a single time series waveform, not a plurality of time series waveforms. Also, Kenyon '562 does not disclose or suggest any iterative determination of the combined probability, as recited in the claim. Accordingly, Claim 27 is also patentable over the cited art.

In view of the above amendments and remarks, it is believed that this application is now in condition for allowance, and a Notice thereof is respectfully requested.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 625-3500. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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